

C1  
but  
attached to a steroid, to a head group of a sphingolipid  
or to a head group of a lipid having at least two chains,  
each chain comprising at least 14 carbon atoms in length,  
and wherein each independently said chain is selected  
from the group consisting of acyl, alkyl or alkenyl,  
wherein incorporation of the probe at the surface is  
substantially not altered upon binding or dissociation of  
the species at the surface and

observing a change in a fluorescent property of  
said fluorophore retained at the surface upon binding or  
dissociation of said species at said surface.

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Please amend claim 34 as follows:

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C2  
34. (Amended) A method for determining binding  
of a species at a polymer surface having a local  
environment at a given pH or surface potential, said  
polymer surface covalently attached to a probe wherein  
said binding is effective to alter said pH or potential,  
the method comprising:

incorporating at said polymer surface a pH- or  
potential-sensitive fluorophore wherein incorporating the  
fluorophore at the surface is substantially not altered  
upon binding or dissociation of the species at the  
surface, and

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observing a change in a fluorescent property of  
said fluorophore retained at the surface upon binding or  
dissociation of said species at said surface.

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